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<div align="center">**Amendments to Claims**</div>

Claims 1- 27 (Canceled)

Claim 28 (Previously Presented).   A method for the production of a feed product comprising protein, carbohydrates and pigment comprising the steps of:

   (a) providing a high growth methanotrophic bacterial strain which:

   (1)   grows on a C1 carbon substrate selected from the group consisting of methane and methanol; and

   (2)   comprises a functional Embden-Meyerhof carbon pathway, said pathway comprising a gene encoding a pyrophosphate dependent phosphofructokinase enzyme, the gene selected from the group consisting of:

   (i)   an isolated nucleic acid molecule encoding the amino acid sequence as set forth in SEQ ID NO:6; and

   (ii) an isolated nucleic acid molecule that hybridizes with (a) when washed with 0.1X SSC, 0.1% SDS, 65°C;b)   contacting the bacterial strain (a) with a C1 carbon substrate in a suitable medium for a time sufficient to permit the expression and accumulation of the feed product; and

   c)   optionally recovering the feed product.

Claim 29-32 (Canceled).

Claim 33 (Original).   A method for the production of production of a feed product comprising protein, carbohydrates and pigment comprising:

   a)   providing a high growth methanotrophic bacterial strain comprising a functional Embden-Meyerhof pathway;

   b)   contacting the bacterial strain of step (a) under suitable growth conditions with an effective amount of a C1 carbon substrate whereby the feed product is produced; and

   c)   optionally recovering the feed product.

Claim 34 (Canceled)

Claim 35 (Currently Amended).   A method according to anyone of Claims ~~32-34~~28 or 33 wherein the functional Embden-Meyerhof pathway contains a gene encoding a pyrophosphate dependent phosphofructokinase enzyme.

Claim 36 (Currently Amended).   A method according to anyone of Claims ~~32-34~~28 or 33 wherein the C1 substrate is selected from the group consisting of methane, methanol, formaldehyde, formic acid, methylated amines, and methylated thiols.